

Large-Scale Projects Built on a Solid Foundation

Engineered screw pile
foundations for projects that
demand strength, precision,
and lasting performance.



postechpiles.com

POSTECH



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Postech Screw Piles provides innovative foundation solutions tailored to the needs of commercial and industrial projects.

Renowned for our engineering expertise and commitment to quality, we ensure that every structure stands on a solid foundation.



**Reliable.
Certified.
Built to Last.**

The Smarter Foundation Choice

When your project demands strength, speed, and reliability, Postech Screw Piles delivers.

Made in Canada

Designed and manufactured locally with pride, ensuring consistent quality and dependable supply.

Turnkey Solutions

Fast, efficient installation with no excavation or site damage, keeping your project on schedule and on budget.

Certified and Guaranteed

Fully compliant with CCMC, ICC-ES, and CWB standards for performance you can trust.

Proven Performance

A reliable choice for commercial, institutional, and industrial infrastructure of any scale.

Extensive Network

A trusted presence across Canada and the U.S., ready to support large-scale and multi-site projects.

Equipment Built for Every Site

Our teams use high-performance hydraulic systems that allow them to screw, dig, or level according to soil conditions, ensuring precise, efficient installations without the need for subcontractors.

About Postech Screw Piles

As a North American pioneer in screw pile technology, Postech Screw Piles has installed more than 1.5 million foundations across Canada and the United States.

Backed by a network of certified installers, we deliver engineered solutions for the most demanding commercial, industrial, and institutional projects.

ABOUT US



Certified Excellence You Can Trust

Postech Screw Piles stands as a benchmark of reliability and engineering precision.

Every certification we hold reflects our unwavering commitment to safety, compliance, and performance, from manufacturing to installation.

Driven by rigorous quality standards and ongoing innovation, we ensure every foundation is engineered for lasting strength and measurable value.

Our foundations don't just meet code; they exceed it.

SEAL OF QUALITY



CWB Accreditation

All welders are certified by the Canadian Welding Bureau, ensuring superior weld quality and structural integrity.



ICC-ES Approval

Approved by the International Code Council Evaluation Service, guaranteeing global compliance, safety, and confidence for large-scale projects.



CCMC 13102-R

Evaluated by the Canadian Construction Materials Centre, Postech Screw Piles meet the National Building Code of Canada and are proven through extensive load and soil testing.



ISO 9001:2015

Our certified quality management system ensures consistent production, full traceability, and continuous improvement across all operations.

THERMAL PILES



Performance & Innovation: Thermal Piles™

At Postech Screw Piles, performance drives every innovation. Our hot-dip galvanized steel piles deliver exceptional corrosion resistance and a service life exceeding 75 years, providing strength and reliability you can trust.

An Exclusive Postech Innovation

Developed through years of engineering expertise, Thermal Piles™ are built to perform in the toughest conditions. Their integrated thermal insulation prevents frost penetration and soil movement, providing structural stability and uniform load distribution in any climate.

Sustainable Strength, Year-Round

Postech Screw Piles offer a cleaner, faster alternative to concrete. Installed without excavation and operable year-round, they reduce site impact, material waste, and carbon footprint. Engineered for versatility, they are the smart foundation choice for sustainable, large-scale construction.

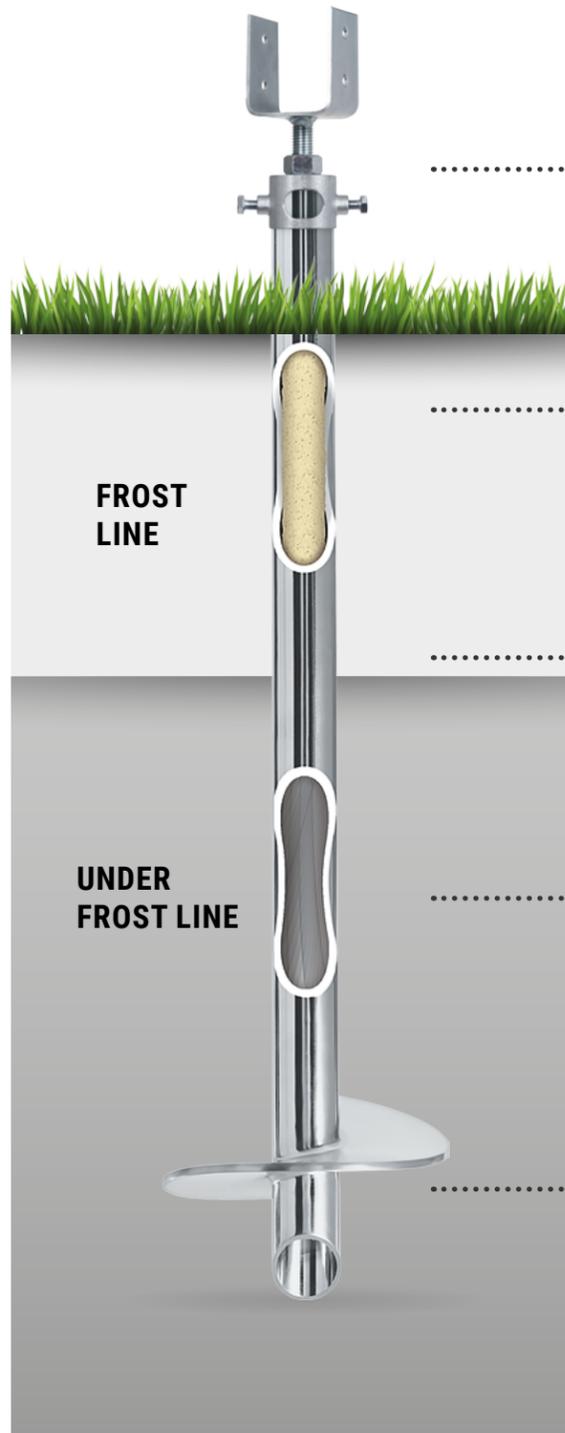


Efficiency Without Compromise



Anatomy of a Postech Thermal Pile™

Innovation sets us apart. As the patent holder and exclusive distributor of Thermal Piles™, Postech delivers the only screw pile system engineered to prevent frost heave and deliver year-round stability. This technology redefines what a foundation can achieve.



Support Heads

Fixed or adjustable, flat or U-shaped, our support heads offer versatility and precision for every project. Each one ensures perfect alignment and lasting stability.

Thermal Insulation

Our exclusive insulation system creates a permanent barrier that blocks frost, ice, and moisture. It protects against ground movement and ensures long-term structural stability.

Galvanized Steel

Each Postech Thermal Pile™ is 100 percent hot-dip galvanized for superior corrosion resistance and a service life exceeding 75 years, even in the most demanding environments.

Protected Air Chamber

An exclusive feature of Postech's Thermal Piles™, the Protected Air Chamber minimizes heat transfer between the pile and surrounding soil, preventing frost penetration and maintaining soil stability year-round.

True Pitch™ Blade

Installed below the frost line, the True Pitch™ blade combines strength and efficiency. Its helicoidal design minimizes soil disturbance, increases bearing capacity, and improves installation speed and precision.

AHEAD BY DESIGN

Every foundation begins with intent; ours begins with precision

Our engineered heads are built to do more than connect steel to structure. They ensure alignment, stability, and lasting strength. With more than twenty-five standard models, each one is welded to threaded rods rather than driven into place, maintaining precise geometry and dependable load transfer on every project.

Designed and manufactured in Canada, Each head undergoes testing that exceeds standard performance thresholds to guarantee structural reliability under the most demanding conditions. Fixed models deliver exceptional lateral resistance, while adjustable designs allow accurate height calibration where flexibility is required. When a project calls for something unique, our engineers design custom heads to meet exact specifications.



Hot-Dip Galvanizing

Each Postech component is hot-dip galvanized, forming a permanent zinc-steel bond that protects against corrosion and impact. The result is durable, long-lasting protection with a service life exceeding seventy-five years and a finish that performs as strong as it looks.

A Modern Alternative to Concrete Foundations

In commercial construction, time, precision, and predictability matter. Postech Screw Piles outperform concrete foundations by installing faster, performing better, and reducing environmental impact. A modern foundation system designed for efficiency without compromise.

FEATURE	SCREW PILES	CONCRETE FOUNDATIONS
Seasonal Flexibility	Usable year-round on almost any terrain	Limited to dry periods, often subject to delays
Environment	Reusable and eco-friendly	Excavation and material waste
Cost Efficiency	Quick and cost-effective installation	Expensive excavation and labor costs
Equipment	Minimal equipment, often a single operator	Heavy machinery and larger workforce
Site Impact	No excavation and no land damage	Excavation required, risk of site deterioration
Installation	Fast, clean, and guaranteed installation	Long process of pouring and curing
Load Capacity	Immediately functional	Curing time: 48 hours before load bearing
Reliability	Consistently high quality with proven warranty	Prone to cracks and settlement over time

PILES VS CONCRETE



BUILT LEGACY

Where Vision Meets Ground

Across North America, Postech Screw Piles is the trusted foundation partner for projects that demand precision, accountability, and lasting performance. From municipal facilities and transportation infrastructure to commercial developments and residential communities, our technology supports the structures that serve people every day.



The Strength Under Every Structure

Each project tells a story of engineering excellence, combining precision manufacturing, rigorous quality control, and proven performance in the field. Designed for speed, efficiency, and long-term stability, Postech foundations provide the strength beneath essential infrastructure, public institutions, and growing communities alike.

More than a foundation system, Postech Screw Piles is a complete foundation strategy that enables engineers, builders, and contracting authorities to deliver projects made to last for generations.



GUIDED VISION

Our Leadership Team

Led by a shared vision of innovation and growth, our co-presidents bring complementary expertise that drives the company forward and advances foundation technology across North America.



Frédéric Chenard, CPA, MBA – Co-President
Operations, Finance, and Administration

Frédéric leads Postech's financial and operational strategy, focusing on sustainable growth and performance-driven efficiency.

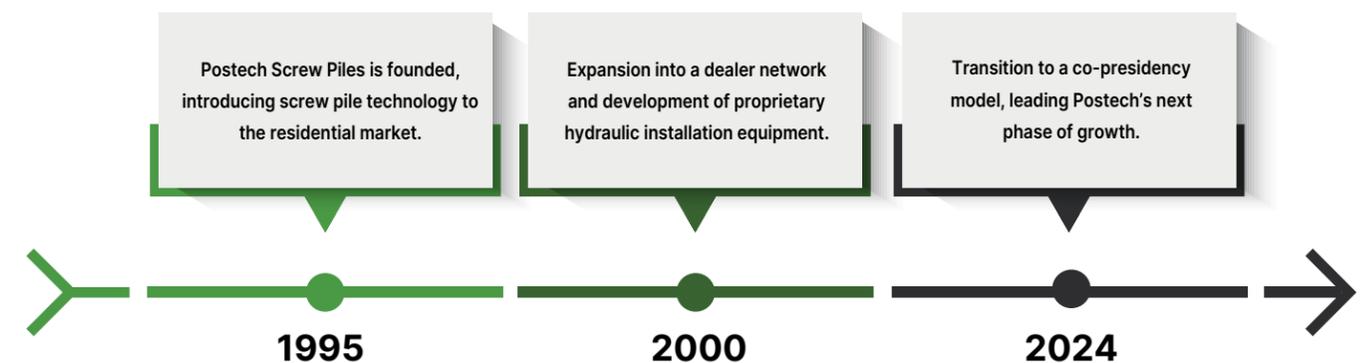


Matthew Barrington – Co-President
Business Development, Sales, and Marketing

Matthew oversees business development and market expansion, building strong partnerships and strengthening Postech's presence across all markets.

A History of Excellence

Postech Screw Piles advances foundation technology through innovation and engineering excellence, delivering reliable, efficient solutions for the structures that shape our communities.





GET IN TOUCH

Postech Screw Piles specializes in the manufacturing, distribution, and installation of galvanized steel screw piles for residential, commercial, and industrial projects.

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Stay Connected

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Starting off
on a **solid foundation**
since 1995